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| . Name of | Patent Holder: National | Telecommunications and Information |
|-----------------------|---|--|
| Address; | Administra | |
| | Boulder, CO 80303 | Telephone: 303-497-3500 |
| Contact: | Dr. William F. Utlaut | |
| . Number a | | (Title) (Use extra sheet if necessary) |
| Patent N | Application Num | |
| | (Attach copy | of patent application) |
| Descript: | lon: Perception-Based At | ıdio-Visual Synchronization |
| List Cla | Measurement System Low Pertinent to Compliance | • |
| | 2, 4, 5, 6, 7, 8, 9, | 10, 11, 12, 13 |
| Date of E | xpiration: | |
| Pending | Approved | (check one) |
| • | If Pending, indicate date | of application: 10/6/93 |
| If Patent transfer | Holder is a transferee of agreement. | f original claimant, attach the |
| Name of P | roposed ANSI Standard: BS | SR T1.801.04 ANSI T1 Standard on |
| Multimedi | a Communications Delay, S | Synchronization, and Frame Rate |
| | | Measurement patent claims relate: 5, 6.1.2.2 |
| | | 2.3, 6.2.4, 6.2.6, 7.1.3, 7.2, 7.2 |
| 7.2.3, 7.2 | .3.1, 7.2.3.2 | , |

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| 4. <u>T</u> | erms and | Conditions | of License | | | |
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| | Plea | ase attach a | copy of licens | a agreeme | nt, if any. | |
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| | | | o utilize the 1: e of implemention, | | | |
| *. | (p) | applicants conditions | shall be made avenuer reasonable that are demonstrict discriminati | e terms a | nd | XX |
| | (c) | filed with | the Patent Offi late of ARSI app standard. | ce by the | be | |
| j | λ | | | • | | |
| Signed: | 2 | 1.7 | Haut_ | | Director | |
| | | (Name) | | | (Title) | |
| Company | Natio | nal Telecom | munications and | Informat | on Administ | ration |
| Date: | 1= | 1/13/9/ | | | | |

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| 1. | Name of Patent Holder: National Telecommunications and Information Administration |
|----|---|
| | Address: 325 Broadway |
| | Boulder, CO 80303 Telephone: 303-497-3500 |
| | Contact: Dr. William F. Utlaut Director (Name) (Title) |
| 2. | Number and Description of Patent(s) (use extra sheet if necessary) |
| | Patent Number(s):5,446,492 Aug. 29, 1995 |
| | (Attach copy of patent application) |
| | Description: Perception-Based Video Quality Measurement System |
| | List Claims Pertinent to Compliance with Standard: |
| | 1, 5, 7, 8, 9, 10, 11, 14, 16, 18 |
| | Date of Expiration: Aug. 29, 2012 |
| | Pending Approved XX (check one) |
| | If Pending, indicate date of application: |
| | If Patent Holder is a transferee of original claimant, attach the transfer agreement. |
| 3. | Name of Proposed ANSI Standard: BSR T1.801.04 ANSI T1 Standard on |
| | Multimedia Communications Delay, Synchronization, and Frame Rate |
| | List sections of standard to which patent claims relate: 6.1.2.2, |
| | 6.1.2.4, 6.1.3.2, 6.2.1, 6.2.2, 6.2.3, 6.2.4, 6.2.6 |

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| | desiring to utilize the license for the purpose of implementing the standard or, | J | | | | |
| | (b) A license shall be made available to applicants under reasonable terms and conditions that are demonstrably free of any unfair discrimination. | כ פ | | | | |
| | (c) An assurance of non-assertion will be filed with the Patent Office by the effective date of ANSI approval of the listed standard. | 3 | | | | |
| | Signed: ## Director (Name) (Title) | : | | | | |
| | Company: National Telecommunications and Information Administration | 1 | | | | |
| | Date: 12/13/96 | | | | | |
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